

Jason Shao

Software Engineer

WORK EXPERIENCE

Google

Software Engineer
Aug '16 - Dec '16

Built infrastructure to internationalize shopping cards in Google Now to 100% more users. Improved card quality by 70% by using a user-friendly ontology.

Snapchat

Software Engineer
Jan '16 - Apr '16

Optimized Android geofilter performance by implementing a local cache. Built automation testing frameworks for emulators and Google Test Lab.

Facebook

Software Engineer
May '15 - Aug '15

Added a new JSON data type and operators into MySQL. Implemented a random query generator to run queries generated from a YACC grammar file.

Coursera

Software Engineer
Aug '14 - Dec '14

Reduced Redshift warehouse disk usage using LZ0 compression. Created a cross-pipeline dependency feature on top of Amazon Data Pipeline.

LinkedIn

Software Engineer
Jan '14 - Apr '14

Implemented machine learning algorithms on Spark's MLlib. Analyzed graph and query performance differences between Spark and Hadoop MapReduce.

IBM

JVM Developer
May '13 - Aug '13

Designed the idleness benchmark to analyze the heap behavior of periodic allocations. Modified Java Management Extensions for multitenancy support.

PERSONAL PROJECTS

Are You A Banana

Feb '16 - Mar '16

Created an online image classifier to identify humans and bananas using K-Nearest Neighbors.

Monster Coder

Feb '16 - Feb '16

Built a fun and interactive web application to teach young children the basics of programming.

AP I(tems)

Aug '15 - Sep '15

Developed a data visualization tool of in-game statistics for the Riot Games API Challenge 2.0.

PROFILE

jasonshao.com
jasonshao10@gmail.com
github.com/jsshao

SKILLS

Programming: C, C++, Python, Java (JNI), Go, Scala

Big data: Cassandra, Hadoop MapReduce, Hive, Pig, Spark, RedShift

Database: MySQL, PostgreSQL, MongoDB

Web: AppEngine, Django, HTML, PHP, Javascript, jQuery, AngularJS

Hardware: VHDL and assembly (ARM and MIPS)

Misc: Android, AWS, Google Cloud, R, Matlab

EDUCATION

University of Waterloo
Sep '12 - Apr '17

Bachelor of Software Engineering (96% GPA)

HOBBIES

Contests:

Hacker Rank, Top Coder, ACM, Project Euler

Activities:

Badminton, Skiing, Piano